#### **EAST Search History**

	ſ	2	9	<b>S</b> .			9		4
	Time Stamp	2007/05/17 14:24	2007/05/17 14:26	2007/05/17 14:27	2007/05/17 14:39	2007/00/17 14:47	2007/06/04 10:30	2007/05/17 14:50	2007/05/17 15:34
	Plurals	NO	N O	N O	NO C	£ .	NO	NO	N O
	Default Operator	ADJ	ADJ	ADJ	ADJ	Š.	ADJ	AD3	AD]
•	DBs	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; USOCR; PPRS; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; USOCR	US-PGPUB; USPAT; USOCR	US-PGPUB; USPAT;
	Search Query	nozzle and capacitor	S1 and @pd<"2004027"	S1 and @pd<"20040227"	S3 and radio frequency oscillator	(("5744099") or ("4574850") or ("5035150") or ("5741554") or ("9709541")).PM.	436/150.ccls.	S6 and @pd<"20040227"	S7 and capacitor
	된	13947	0	9309	ព	41	238	468	ß
	Ref #	SI	S	8	\$	<b>8</b>	<b>Ж</b>	<u> </u>	8

# **EAST Search History**

2007/05/17 15:38	2007/05/17 15:39	2007/05/17 15:39	2007/05/17 15:40	2007/05/17 15:41	2007/05/17 15:42	2007/05/17 15:43
8	N	NO O	NO .	NO	NO	80 ·
ADJ						
US-PGPUB; USPAT; USOCR; PPRS; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; USOCR; PPRS; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; USOCR; PPRS; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; USOCR; PPRS; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; USOCR; PPRS; EPO; JPO; DERWENT; IBM_TDB	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB:
radio adj frequency adj oscillator or (RF) or (rf)	59 and @pd<"20040227"	S10 and (capacity or capacitance)	511 and liquid adj droplet or liquid adj drop	S12 and (nozzle or tip or end or hole)	S13 and (method or process)	S14 and dielectric or electric conductive member
397714	268667	29006	16045	10520	7686	744
8	S10	SII		S13	S14	

7/5/2007 9:02:56 AM C:\Documents and Settings\bramdhanie\My Documents\EAST\Workspaces\10787229.wsp

7/5/2007 9:02:56 AM C:\Documents and Settings\bramdhanie\My Documents\EAST\Workspaces\10787229.wsp

S16	982	S14 and dielectric or electric conductive member	US-PGPUB; USPAT; USOCB:	ADJ	N O	2007/05/17 15:44	
			FPRS; EPO; JPO; DERWENT; IBM_TDB				
S17	E	S16 and (monitor or measure or analyze) adj4 volume	US-PGPUB; USPAT; USOCR; FPRS; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	<u>v</u>	2007/05/17 15:44	
S18	0	("2001/0045126").URPN.	USPAT	ADJ	8 O	2007/05/17 16:02	
S19	•	("2001/0045126").URPN.	USPAT	ADJ	8	2007/05/17 16:02	
S20	0	("2001/0045126").URPN.	USPAT	ΑĐ	N O	2007/05/17 16:02	
S21	•	("2001/0045126").URPN.	USPAT	ΑĐĴ	8	2007/05/17 16:02	
225	7	("4569226"   "4697451").PN.	US-PGPUB; USPAT; USOCR	AD)	NO .	2007/05/17 16:02	•
823	7	("4569226"   "4697451").PN.	US-PGPUB; USPAT; USOCR	ADJ	8	2007/05/17 16:02	
\$24	-	("6439068").URPN.	USPAT	ADJ	N	2007/05/17 16:03	
<b>S2S</b>	7	("4569226"   "4697451").PN.	US-PGPUB; USPAT; USOCR	AD]	N O	2007/05/17 16:06	
S26	439447	capacitor	US-PGPUB; USPAT; USOCR	ADJ	N O	2007/05/17 16:06	
257	327582	S26 and @pd<"20040227"	US-PGPUB; USPAT; USOCR	AD)	N O	2007/05/17 16:06	
828	21442	S27 and (drop or droplet or liquid or fluid) near10 capacitor	US-PGPUB; USPAT; USOCR	ADJ	N	2007/05/17 16:08	
823	65240	S27 and (drop or droplet or liquid or fluid) same capacitor	US-PGPUB; USPAT; USOCR	ADJ	N	2007/05/17 16:08	
230	28693	S27 and (drop or droplet or liquid or fluid) with capacitor	US-PGPUB; USPAT; USOCR	AD]	N	2007/05/17 16:10	
<b>S31</b>	2311	S27 and (drop or droplet or liquid or fluid) with capacitor with dielectric	US-PGPUB; USPAT; USOCR	ADJ	NO	2007/05/17 16:11	
232	1794	S31 and (method or measure or analyze)	US-PGPUB; USPAT; USOCR	AD3	No	2007/05/17 16:11	
7/5/200	7/5/2007 9:02:56 AM					Page 3	

C:\Documents and Settings\bramdhanie\My Documents\EAST\Workspaces\10787229.wsp

## **EAST Search History**

딒	:12	<b>.</b> =	21:	21:	21:	-112	72:	72:	<u>4</u>	<del>5</del>		5	50		8
2007/05/17 16:11	2007/05/17 16:12	2007/06/04 09:11	2007/06/04 09:12	2007/06/04 09:12	2007/06/04 09:12	2007/06/04 09:15	2007/06/04 09:27	2007/06/04 09:27	2007/06/04 09:44	2007/06/04 09:45	2007/06/04 10:01	2007/06/04 10:01	2007/06/04 10:02	2007/06/04 10:03	2007/06/04 10:03
NO ON	N 0	NO 2	NO ON	OFF 2	OFF 2	0FF 2	OFF 2	0FF 2	NO O	ON 2	ON	NO S	NO NO	NO NO	ON Z
ADJ	ADJ	ADJ ·	ADJ	S.	æ		g S	R	ADJ	ADJ	ADJ	AD3	ADJ	ADJ	ADJ
US-PGPUB; USPAT; USOCR	US-PGPUB; USPAT; USOCR	US-PGPUB; USPAT; USOCR	US-PGPUB; USPAT; USOCR	US-PGPUB; USPAT; USOCR	US-PGPUB; USPAT; USOCR	US-PGPUB; USPAT; USOCR	US-PGPUB; USPAT; USOCR	US-PGPUB; USPAT; USOCR	US-PGPUB; USPAT; USOCR	US-PGPUB; USPAT; USOCR	US-PGPUB; USPAT; USOCR	US-PGPUB; USPAT; USOCR	US-PGPUB; USPAT; USOCR	US-PGPUB; USPAT; USOCR	US-PGPUB;
S31 and (process or method or measure or analyze)	S33 and (radio frequency oscillator or rf or frequency oscillator)	liquid near20 capacitor	ALLEGRO TECHNOLOGIES LIMITED as.	("9927355").PN.	("0927355").PN.	("20020168297").PN.	("0671021").PN.	("6713021").PN.	422/100.cds.	S42 and @pd<"20040217"	S43 and capacitor	73/861.080.cds.	73/861.08.cds.	S46 and liquid near capacitor	S46 and (liquid near capacitor)
1982	240	11388		0		a	7	7	3453	2410	8	0	192	0	0
233	534	. 335	S36	337	838	833	S .	<u>₹</u>	245	25	¥	\$45	S46	247	<b>₹</b>

7/5/2007 9:02:56 AM C:\Documents and Settings\bramdhanle\My Documents\EAST\Workspaces\10787229.wsp

Page 4

1,

2007/06/04 10:04	2007/06/04 10:23	2007/06/04 10:23	2007/06/04 10:23	2007/06/04 10:24	2007/06/04 10:25	2007/06/04 10:26	2007/06/04 10:26	2007/06/04 10:30	2007/06/04 10:30	2007/06/04 10:31	2007/06/04 10:31	2007/06/04 10:31	2007/06/04 10:31	2007/06/04 10:32	2007/06/04 10:32
N	NO	NO	N O	N	NO O	NO	NO	NO	NO	NO	NO	NO	NO	NO	NO
ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	ADJ	AD3	ADJ	ADJ	ADJ .	ADJ	ADJ	ADJ
US-PGPUB; USPAT; USOCR	US-PGPUB; USPAT; USOCR	US-PGPUB; USPAT; USOCR	US-PGPUB; USPAT; USOCR	US-PGPUB; USPAT; USOCR	US-PGPUB; USPAT; USOCR	US-PGPUB; USPAT; USOCR	US-PGPUB; USPAT; USOCR	US-PGPUB; USPAT; USOCR	US-PGPUB; USPAT; USOCR	US-PGPUB; USPAT; USOCR	US-PGPUB; USPAT; USOCR	US-PGPUB; USPAT; USOCR	US-PGPUB; USPAT; USOCR	US-PGPUB; USPAT; USOCR	US-PGPUB; USPAT; USOCR
0 S46 and droplet near measrement	1 S46 and droplet near measurement	s capacitor same liquid	9 S51 and @pd<"20040217"	3 SS2 and liquid energized	4 nozzle or dispensing system or dispenser or aspirator or pipettor	0 SS4 and liquid energized near nozzle	7 SS4 and (liquid energized same nozzle)	9 436/150.cds.	4 SS7 and capacitor	2 SSB and @pd<"20040217"	3 SS7 and capacitor or conductive member	8 SS7 and (capacitor or conductive member)	6   S61 and @pd<"20040217"	0 S62 and liquid energized	0 H1and liquid same capactiro
0		21275	13719	m	573934	0	7	539	74	25	28973	78	25	0	0
S <sub>2</sub>	820	S51	S52	S53	S54	S55	S56	S57	228		98	261	<b>S</b> 62	S63	<b>%</b>

7/5/2007 9:02:56 AM C:\Documents and Settings\bramdhanie\My Documents\EAST\Workspaces\10787229.wsp

# **EAST Search History**

S65	6	H1and liquid same capacitor	US-PGPUB; USPAT; USOCR	ADJ	NO	2007/06/04 10:32
995	σ· .	S62 and (liquid same capacitor)	US-PGPUB; USPAT; USOCR	ADJ	N	2007/06/04 10:40
267	เก๋	<b>'</b> 6713021"	US-PGPUB; USPAT; USOCR	ADJ	NO	2007/06/04 10:49
898	m	"6419752"	US-PGPUB; USPAT; USOCR	ADJ	N	2007/06/04 10:50
69S	7	"6770434"	US-PGPUB; USPAT; USOCR	ADJ	. S	2007/06/04 10:51
S70	4	.696990	US-PGPUB; USPAT; USOCR	ADJ	N	2007/06/04 10:52
27.1	7	"6805841"	US-PGPUB; USPAT; USOCR	ADJ	N	2007/06/04 10:53
272	-	"10673408"	US-PGPUB; USPAT; USOCR	ADJ	N	2007/06/04 10:55
S73	-	09/927355	US-PGPUB; USPAT; USOCR	ADJ	No.	2007/06/04 10:55
S74	0	"09927355"	US-PGPUB; USPAT; USOCR	ADJ	NO NO	2007/06/04 10:56
S75	0	(("9927355") or ("10098393") or ("10673408")).PN.	US-PGPUB; USPAT; USOCR	e K	PF.	2007/06/04 10:56
92S	12	<b>"</b> 927355"	US-PGPUB; USPAT; USOCR	ADJ	NO	2007/06/04 11:02
227	358	carrying frequency	US-PGPUB; USPAT; USOCR	ADJ	8	2007/06/04 11:03
878	272	S77 and @pd<"20040217"	US-PGPUB; USPAT; USOCR	ADJ	NO	2007/06/04 11:03
S79	89	S78 and capacitor	US-PGPUB; USPAT; USOCR	ADJ	NO.	2007/06/04 11:03
880	4	S79 and liquid	US-PGPUB; USPAT; USOCR	ADJ	NO	2007/06/04 11:04

7/5/2007 9:02:56 AM C:\Documents and Settings\bramdhanie\My Documents\EAST\Workspaces\10787229.wsp

Page 6

#### **EAST Search History**

<u> </u>		ber follows for for	DBs	Default Operator	Plurals	Time Stamp
(apparatus or device) and dropite and     (measure or monitor) and nozzle and tip     and (electically conductive member or     capacitor) and ac current.clm.	(apparatus or device) and dropler (measure or monitor) and nozzle and (electically conductive memb capacitor) and ac current.clm.	t and and tip er or	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	N O	2007/06/28 13:20
180045 method and dispense and tip and liquid and pipette or dispenser		quid	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AD.)	NO .	2007/06/28 13:22
933 method and dispense and pipette tip and liquid and (pipette or dispenser)		b and	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	N <sub>O</sub>	2007/06/28 14:02
0 73/861.080.cds.			US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	AD3	NO	2007/06/28 14:03
0 "73/861.080".cds.			US-PGPUB; USPAT; USOCR;, FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	NO	2007/06/28 14:03
436 73/861.08.cds.			US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TOB	AD3	NO	2007/06/28 14:04
400   S6 and @pd<"20040227"			US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	ADJ	NO .	2007/06/28 14:06

## **EAST Search History**

	10	100	C7 and capacitance near flow	I IC. DCDI IR.	נטא	2	53.61 BC/201700C
			Ce Heal mon	USPAT; USOCR; FPRS;	<b>2</b>	5	2007/05/28 14:53
				EPO; JPO; DERWENT; IBM_TDB			
13 "1568415"		1568415"		USPAT; USPAT; USOCR; FPRS; FPRO: JBO:	AD3	NO	2007/06/28 14:54
				DERWENT; IBM_TDB			
2 "20030224387"		20030224387*		US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	ADJ	NO	2007/06/28 14:58
				IBM_TDB			
2 "20030175163"		20030175163"		US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT;	ADJ	NO .	2007/06/28 14:58
11 (("6669909") or ("6562012") or ("641351") or ("6413951") or ("643968") or ("4470008") or ("44531407")).PN.	00000	"6669909") or ("654 (6713021") or ("641: r ("6439068") or ("447( 4896099") or ("447( r ("4531407")).PN.	5596150")	US-PGPUB; USPAT; USOCR	OR	OFF	2007/06/28 15:22

7/5/2007 8:56:39 AM C:\Documents and Settings\bramdhanie\My Documents\EAST\Workspaces\10787229\_06\_28\_07.wsp

Page 1

7/5/2007 8:56:39 AM C:\Documents and Settings\bramdhanie\My Documents\EAST\Workspaces\1078729\_06\_28\_07.wsp